

TAS 3562B

T.H. 55

I.O MI. N.W. OF JCT. T.H. 25

NEAR BUFFALO TO 3.50 MI. S.E.

S.P. 8606, 8607

MARCH 1967

OFFICE OF
TRANSPORTATION SYSTEM PLANNING

MINNESOTA HIGHWAY DEPARTMENT

DEPARTMENT HIGHWAY

STATE OF MINNESOTA

Office Memorandum

TO : Paul G. Velz
Road Design Engineer

DATE: March 14, 1967

FROM : Robert D. Owens, Chief
Traffic Analysis Section

SUBJECT: T.H. 55, S.P. 8606, 8607, from 1.0 Mi. N.W.
of Jct. T.H. 25 near Buffalo to 3.5 Mi. S.E.

The Traffic Analysis Section transmits this report in response to your February 14, 1967, request for the 1990 ADT, DHV, and HCADT for the project location as shown on the map on page 2.

For each segment numbered on the map on page 3, the Section tabulated the data on pages 4 and 5:

- Total ADT
- Vehicle Type Distribution
- Total Heavy Commercial ADT
- Total DHV Without Directional Distribution
- Directional Distribution of DHV

Segment 15 has the highest 1990 ADT. This segment has a 1966 ADT of 3850.

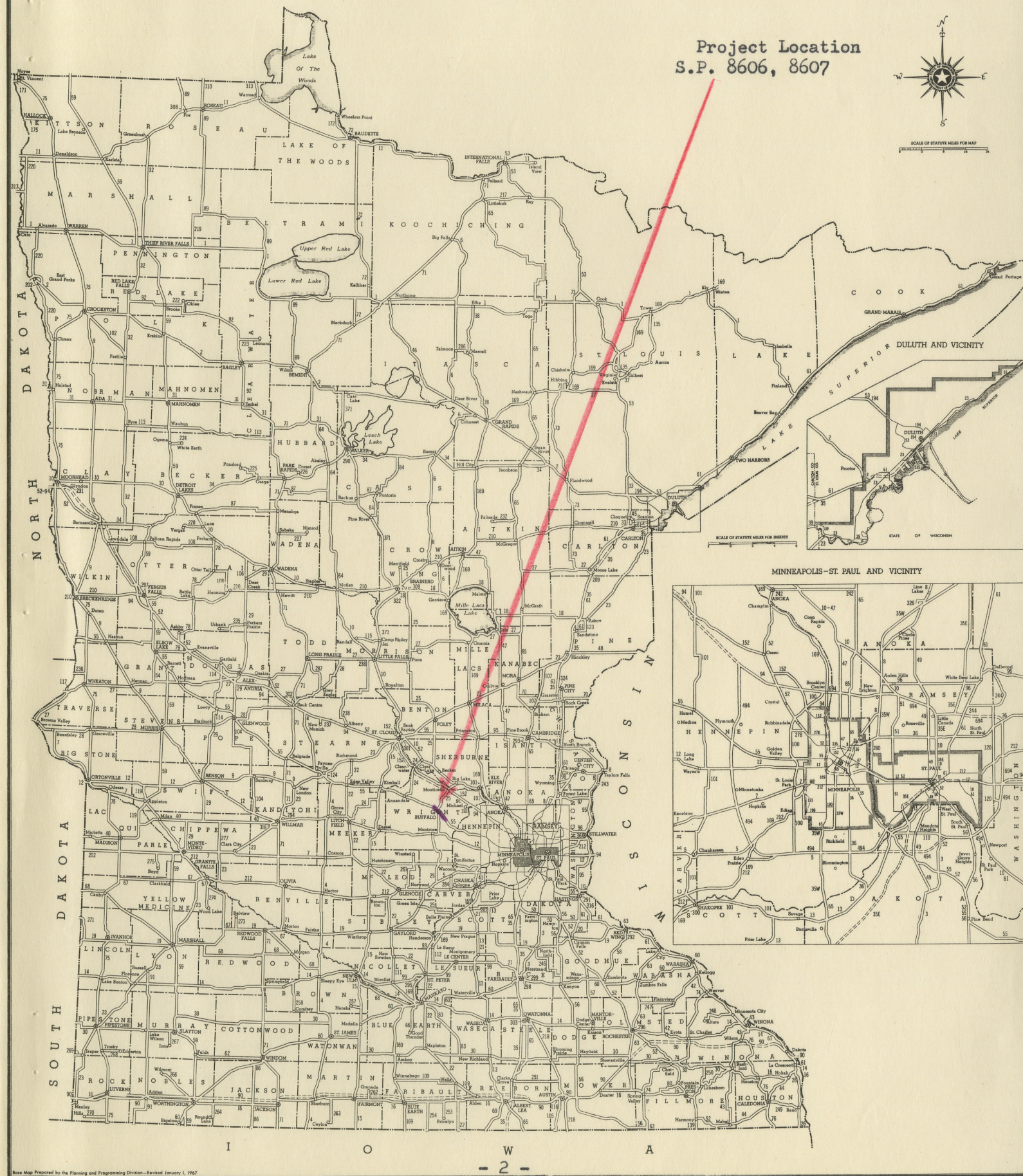
The basic data, method and assumptions are on page 6.

B. L. Warzala requested this report for R. T. Peterson.

- 1 -

STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP

Project Location
S.P. 8606, 8607



- 2 -

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 1 OF 2

FOR

T.H. 55 S.P. 8606, 8607 LENGTH - MILES

COUNTY Wright LOCATION From 1.0 Mi. N.W. of Jct.

T.H. 25 near Buffalo to 3.5 Mi. S.E.

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	4228	4209	115	742	1988	584	486	2517	4422	3270	3789
1	248	247	7	45	129	35	30	162	260	175	190
2	86	86	2	13	23	10	8	32	89	46	50
3	23	23	1	4	14	3	3	17	24	5	5
4	36	36	1	8	29	6	5	35	38	10	10
5	106	106	3	19	52	15	12	65	111	25	25
6	53	53	1	9	25	7	6	32	56	19	21
TOTAL ADT	4780	4760	130	840	2260	660	550	2860	5000	3550	4090
TOTAL H. COMM. ADT	552	551	15	98	272	76	64	343	578	280	301
TOTAL DHV	722	720	18	128	318	83	67	412	724	501	577
DIRECTIONAL DISTRIBUTION	65-35	65-35	60-40	60-40	55-45	60-40	60-40	55-45	65-35	55-45	55-45

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 2 OF 2

FOR

T.H. 55 S.P. 8606, 8607 LENGTH - MILES

COUNTY Wright LOCATION From 1.0 Mi. N.W. of Jct.

T.H. 25 near Buffalo to 3.5 Mi. S.E.

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 15 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	12	13	14	15							
0	4551	4394	1445	6014							
1	267	259	28	290							
2	91	88	11	100							
3	24	24	1	25							
4	38	38	2	40							
5	112	111	5	116							
6	57	56	8	65							
TOTAL ADT	5140	4970	1500	6650							
TOTAL H. COMM. ADT	589	576	55	636							
TOTAL DHV	734	704	75	720							
DIRECTIONAL DISTRIBUTION	65-35	65-35	55-45	65-35							

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6 = BUSES AND TRUCKS WITH TRAILERS

Basic Data, Method, and Assumptions

Basic data to obtain 1990 ADT include the following:

- 1) 1953, 1958, and 1963 Wright County coverage counts.
- 2) Past 17-years' least squares trends
- 3) Aerial photo of Buffalo
- 4) Population from 1930, 1940, 1950, and 1960 U.S.
Bureau of Census data for Buffalo.

The DHV computation for the project was based on the hourly records of a continuously operated traffic counting machine applied to the hourly traffic recorded for T.H. 55 east of Buffalo.

The HCADT for the project reflects diversions by vehicle type to a completed T.H. 94.